

**LISTING OF CLAIMS**

1. (Currently Amended) A computer-implemented method for managing inventory, the method comprising:  
synchronizing inventory balance information between a source computerized inventory management system and a target computerized inventory management system, wherein  
the source computerized inventory management system and the target computerized inventory management system are among a plurality of computerized inventory management systems,  
the synchronizing is bi-directional, **wherein**  
**the synchronizing is performed by an integration server,** and  
the synchronizing comprises  
extracting inventory balance information in a source format ~~[[that]]~~ ,  
**wherein**  
**the source format is a format used by the source computerized**  
**inventory management system, and**  
**the inventory balance information in the source format** is  
associated with the source computerized inventory management system,  
converting the inventory balance information in the source format into  
inventory balance information in an intermediate format, ~~[[and]]~~  
**calculating an inventory balance difference between a source**  
**inventory balance and a target inventory balance, wherein**  
**the inventory balance information in the intermediate format**  
**is configured to store the inventory balance difference,**  
converting the inventory balance information in the intermediate format  
into inventory balance information in a target format ~~that~~  
~~corresponds to~~ , **wherein**  
**the target format is a format used by the target computerized**  
**inventory management system,**

the inventory balance information in the target format  
comprises the inventory balance difference, and  
the inventory balance information in the target format is  
associated with the target computerized inventory  
management system, and  
updating existing inventory balance information using the inventory  
balance information in the target format, wherein  
the existing inventory balance information is in the target  
format,  
the existing inventory balance information is associated with  
the target computerized inventory management system,  
and  
the updating is based, at least in part, on the inventory balance  
difference.

2. (Currently Amended) The computer-implemented method of Claim 1, further comprising:  
requesting existing target inventory balance information from the target  
computerized inventory management system, wherein  
the requesting is performed by the integration server.  
~~using the inventory balance information in the target format to update an~~  
~~existing inventory balance record in the target computerized inventory~~  
~~management system.~~
3. (Previously Presented) The computer-implemented method of Claim 1, further comprising:  
extracting inventory balance information in a second source format that is associated  
with a second source computerized inventory management system that is  
distinct from the first source computerized inventory management system,  
wherein  
the second source computerized inventory management system is one of the  
plurality of computerized inventory management systems;

- converting the inventory balance information in the second source format into  
inventory balance information that is in the intermediate format;  
converting the inventory balance information in the intermediate format into  
inventory balance information in the target format; and  
using the inventory balance information in the target format to update an existing  
inventory balance record in the target computerized inventory management  
system.
4. (Previously Presented) The computer-implemented method of Claim 1, wherein the intermediate format comprises a list of inventory balances class with a hierarchy of data elements.
  5. **(Currently Amended)** The computer-implemented method of Claim 4, wherein the hierarchy of data elements **[[includes]] comprises** a plurality of inventory balance elements comprising:
    - a list of inventory balances element;
    - an inventory balance related inventory location element;
    - a list of related inventory balances for defining a plurality of related inventory balances; and
    - a custom data element for defining customized attributes for the inventory.
  6. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises a related inventory location element for defining related inventory location identifier.
  7. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises a list of inventory balance data element for defining a plurality of inventory balance data elements.
  8. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises an inventory balance custom data.

9. (Previously Presented) The computer-implemented method of Claim 7, wherein each of the plurality of inventory balance data elements comprises a related product element for defining a product identifier.
10. (Previously Presented) The computer-implemented method of Claim 7, wherein each of the plurality of inventory balance data element comprises a list of balance data element for defining a plurality of balance data elements.
11. (Previously Presented) The computer-implemented method of Claim 10, wherein each of the plurality of balance data elements comprises:
  - a bucket code element;
  - a quantity of product element;
  - a product unit of measure code element; and
  - a balance data custom data element.
12. **(Currently Amended)** A computer-readable storage medium carrying one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:
  - synchronizing inventory balance information between a source computerized inventory management system and a target computerized inventory management system, wherein
  - the source computerized inventory management system and the target computerized inventory management system are among a plurality of computerized inventory management systems,
  - the synchronizing is bi-directional, **wherein**
  - the synchronizing is performed by an integration server,** and
  - the synchronizing comprises
    - extracting inventory balance information in a source format **[[that]]** ,
    - wherein**

the source format is a format used by the source  
computerized inventory management system, and  
the inventory balance information in the source format is  
associated with the source computerized inventory  
management system,  
converting the inventory balance information in the source format into  
inventory balance information in an intermediate format,  
[[and]]  
calculating an inventory balance difference between a source  
inventory balance and a target inventory balance, wherein  
the inventory balance information in the intermediate  
format is configured to store the inventory balance  
difference,  
converting the inventory balance information in the intermediate  
format into inventory balance information in [[the]] a target  
format ~~that corresponds to a~~ , wherein  
the target format is a format used by the target  
computerized inventory management system,  
the inventory balance information in the target format  
comprises the inventory balance difference, and  
the inventory balance information in the target format is  
associated with the target computerized inventory  
management system, and  
updating existing inventory balance information using the  
inventory balance information in the target format,  
wherein  
the existing inventory balance information is in the target  
format,

the existing inventory balance information is associated  
with the target computerized inventory management  
system, and  
the updating is based, at least in part, on the inventory  
balance difference.

13. (Currently Amended) The computer-readable storage medium of Claim 12, further comprising:

requesting existing target inventory balance information from the target  
computerized inventory management system, wherein  
the requesting is performed by the integration server.

~~using the inventory balance information in the target format to update an~~  
~~existing inventory balance record in the target computerized inventory~~  
~~management system.~~

14. (Previously Presented) The computer-readable storage medium of Claim 12, further comprising:

extracting inventory balance information in a second source format that is associated  
with a second source computerized inventory management system that is  
distinct from the first source computerized inventory management system,  
wherein

the second source computerized inventory management system is one of the  
plurality of computerized inventory management systems;

converting the inventory balance information in the second source format into  
inventory balance information that is in the intermediate format;

converting the inventory balance information in the intermediate format into  
inventory balance information in the target format; and

using the inventory balance information in the target format to update an existing  
inventory balance record in the target computerized inventory management  
system.

15. (Previously Presented) The computer-readable storage medium of Claim 12, wherein the intermediate format comprises a list of inventory balances class with a hierarchy of data elements.
16. (Previously Presented) The computer-readable storage medium of Claim 15, wherein the hierarchy of data elements comprises a plurality of inventory balance elements comprising:
  - a list of inventory balances element;
  - an inventory balance related inventory location element;
  - a list of related inventory balances for defining a plurality of related inventory balances; and
  - a custom data element for defining customized attributes for the inventory.
17. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises a related inventory location element for defining related inventory location identifier.
18. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises a list of inventory balance data element for defining a plurality of inventory balance data elements.
19. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises an inventory balance custom data.
20. (Previously Presented) The computer-readable storage medium of Claim 18, wherein each of the plurality of inventory balance data elements comprises a related product element for defining a product identifier.
21. (Previously Presented) The computer-readable storage medium of Claim 18, wherein each of the plurality of inventory balance data elements comprises a list of balance data element for defining a plurality of balance data.

22. (Previously Presented) The computer-readable storage medium of Claim 21, wherein each of the plurality of balance data elements comprises:
- a bucket code element;
  - a quantity of product element;
  - a product unit of measure code element; and
  - a balance data custom data element.

25-32 (Canceled)

33. (New) The computer-implemented method of Claim 2, further comprising: receiving the existing target inventory balance information from the target computerized inventory management system, wherein the receiving is performed by the integration server.
34. (New) The computer-implemented method of Claim 33, further comprising: converting the existing target inventory balance information in the target format into existing target inventory balance information in the intermediate format, wherein the existing target inventory balance information in the intermediate format comprises the target inventory balance, and the inventory balance information in the intermediate format comprises the source inventory balance.